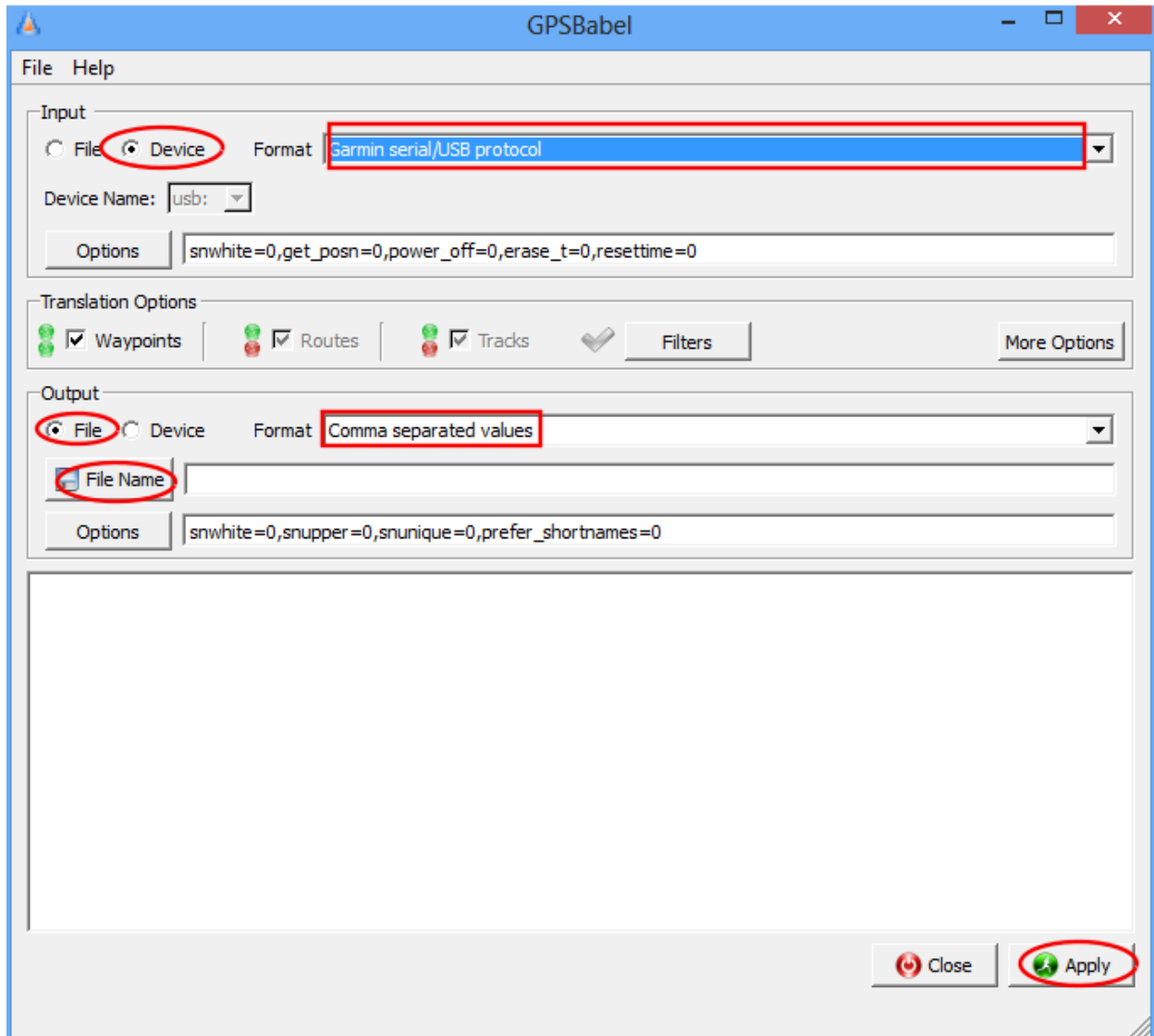# CHAPTER 3

Importing GPS data into QGIS

In this chapter we will learn how to import GPS data into QGIS.
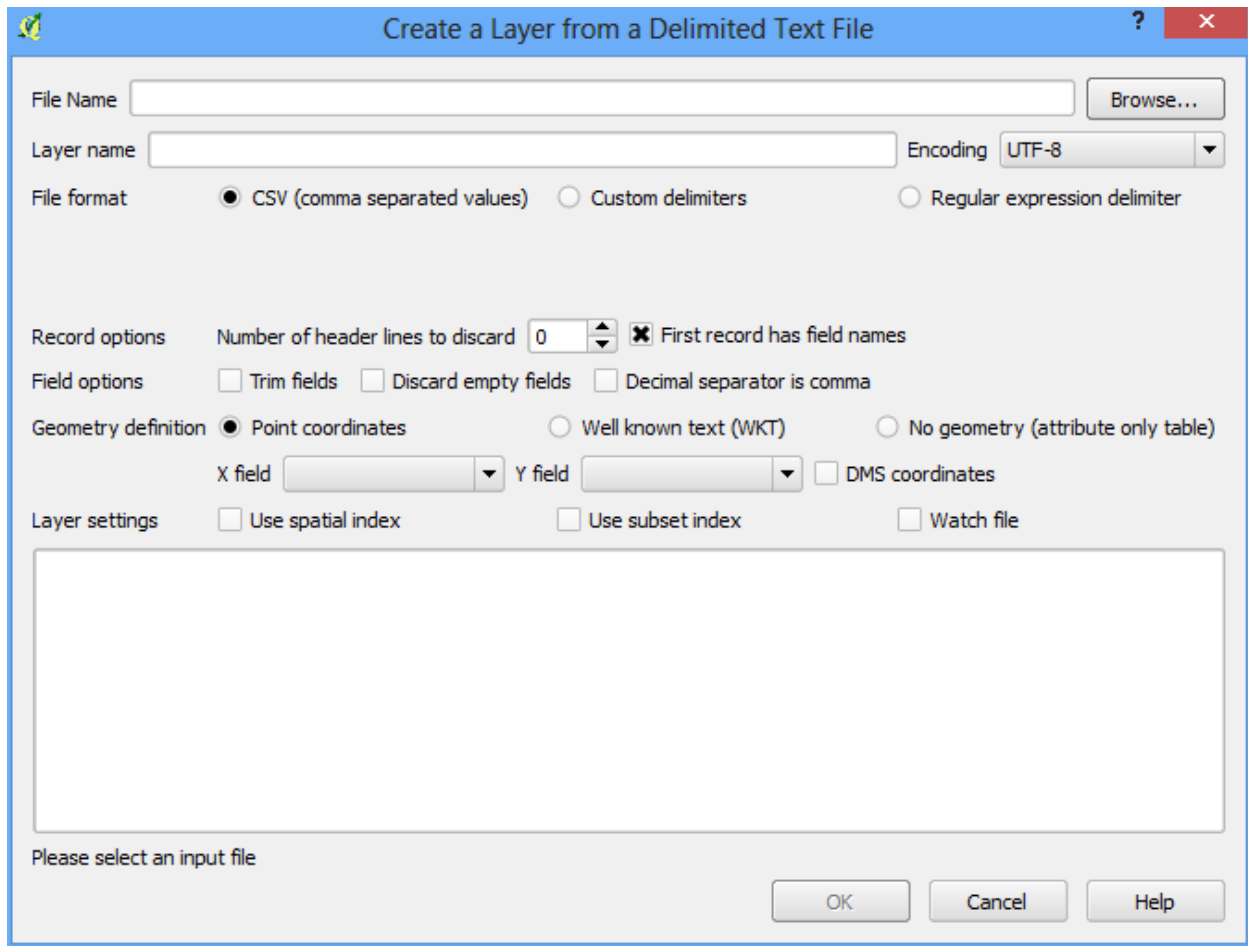
- Install GPSBabel. (Instructions are on *"Learning material for GPS devices.pdf"*).
- Download GPS data using the software GPSbabel. Save the file as "test.csv" on your computer.
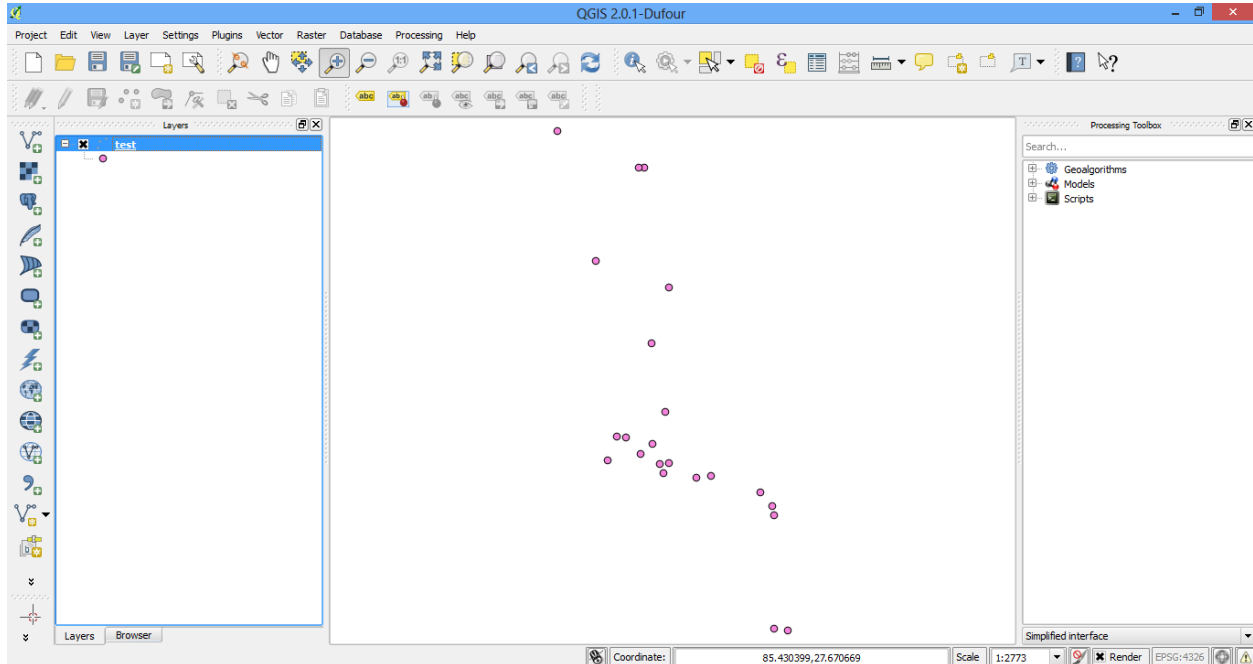

- Open the file in excel and prepare a table that includes at least fields for : Unique ID, Latitude and Longitude.

  Note: You can edit the data or add additional attributes to the existing data.

- Open QGIS. On the main window, click on ![icon] "Add Delimited Text layer". The following window will pop up.

- Browse to the .csv file you want to import. For our exercise we will open "test.csv".
- Accept or change the layer name that will appear in the Layer List
- Select the CSV delimiter.
- Check mark "Point coordinates". Check the X, Y fields. In our case these should be longitude and latitude respectively.
- Click OK.
- A dialog box will ask for the projection system you want to use. Select "WGS 84: EPSG 4326.
- The data will be rendered on the map. An example map is below.

- Right click the layer "test" and select "Save As…". Select the format "ESRIShapefile" and give your file a name "test.shp". You can now use the shapefile for other analysis and map creation.